Title (en)

Method of preparing cyclohexanepolycarboxylic acid ester without phthalatic and plasticizer prepared by the same

Title (de)

Verfahren zur Herstellung von Cyclohexanpolycarboxylsäureester ohne Phthalat und damit hergestellter Weichmacher

Title (fr)

Procédé de préparation d'ester d'acide cyclohexanepolycarboxylique sans phthalatique et plastifiant préparé par le même

Publication

EP 1953135 A1 20080806 (EN)

Application

EP 07101716 A 20070205

Priority

EP 07101716 A 20070205

Abstract (en)

A method for preparing a kind of plasticizer containing cyclohexane poly carboxylic acid ester, particularly without phthalate, and with the advantage of effective shortening of reaction time, which method comprising having cyclohexane polycarboxylic acid or its derivatives, mono-alcohol and metal catalyst of tin and titanium or inorganic acid added together at the same time into a reactor to undergo a single stage of esterification at high temperature of 200~250°C, and a reaction mixture of cyclohexane polycarboxylic acid ester was obtained by the process which is applicably used as a plasticizer without phthalate and no hazard to the living beings and environment.

IPC 8 full level

C07C 67/08 (2006.01); **C07C 69/75** (2006.01); **C08K 5/12** (2006.01)

CPC (source: EP)

C07C 67/08 (2013.01); **C08K 5/12** (2013.01); C08K 2201/014 (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

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DOCDB simple family (publication)

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